

## ABSTRACT

The present invention provides methods for the purification of plasmid DNA that includes removal of host cell impurities, such as endotoxins, RNA, proteins, and chromosomal DNA, from an aqueous solution containing plasmid DNA and methods for separation and purification of supercoiled plasmid DNA from an aqueous solution containing a mixture of supercoiled and nicked or relaxed plasmid DNA using hydrophobic interaction chromatography supports.

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